

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

**SOQ 20-22 Sewer Projects - Resolution No. 136766**

**B. Firm Name & Address where Project work will be performed:**

La Terre Engineering, LLC  
343 Third Street, Suite 511B  
Baton Rouge, LA 70801



**C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:**

Seneca Toussant, PE, Principal  
343 Third Street, Suite 511B  
Baton Rouge, LA 70801  
(225) 960-1160  
[stoussant@laterre-eng.com](mailto:stoussant@laterre-eng.com)

**D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.**

Seneca Toussant, PE, Principal  
343 Third Street, Suite 511B  
Baton Rouge, LA 70801  
(225) 960-1160  
[stoussant@laterre-eng.com](mailto:stoussant@laterre-eng.com)

**E. Please provide the number of employees whose primary function corresponds with each category:**

1 Administrative	Estimators	Specification Writers
___ Architects (Licensed)	___ Geologists	___ Structural Engineers
___ Chemical Engineers	___ Geotechnical Engineers	___ Graduate Engineers
1 Civil Engineers	___ Interior Designers	___ Project Managers
___ Construction Inspectors	___ Landscape Architects	1 Clerical
___ Ecologists	___ Land Surveyor	___ Grant/Funding Specialist
___ Electrical Engineers	___ Mechanical Engineers	___ Sanitary Engineers
1 Engineer Intern	___ Environmental Engineers	
___ Professional Land Surveyors		<b><u>4</u> TOTAL</b>

**F. Is this submittal by a JOINT-VENTURE? Please check: YES**

**NO**

✓

**If marked “No” skip to Section I. If marked “yes” complete Sections G-H.**

## TEC Professional Services Questionnaire

**G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.**

1.  
N/A

2.  
N/A

**H. Has this JOINT-VENTURE previously worked together? Please check:**

YES ☐ NO ☐

**I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.**

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A		
2. N/A		
3. N/A		

**J. Please specify the total number of support personnel that may assist in the completion of this Project:**

4

## **TEC Professional Services Questionnaire**

**K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.**

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:** Seneca Toussant, PE - Principal

**Project Assignment:** Project Manager/Project Engineer

**Name of Firm with which associated:** La Terre Engineering, LLC

**Years' experience with this Firm:**1

**Education: Degree(s)/Year/Specialization:** BS, Biological Engineering Louisiana State University - 1999

**Active registration: Year first registered/discipline:** 2011 - Professional Engineer, LA, Civil Engineering, No. 36080

#### **Other experience and qualifications relevant to the proposed Project:**

Seneca Toussant has over 20 years of civil engineering experience including roadway design, water and wastewater treatment, drainage and utilities, as well as traffic control and signing. Mr. Toussant has also prepared roadway and drainage plans for many state, municipal and private development clients.

#### **Rollins Road Regional Pump Station, Zachary, LA**

Mr. Toussant was responsible for the design of approximately 1,000 LF of gravity sewer, 4,000 LF of force main and a 1000 gallon per minute lift stations to serve the Rollins Road area in Zachary Louisiana. Tasks included design (using AutoCAD pipes program), cost estimating, preparing final plans and specifications and obtaining approval and permits from the Louisiana Department of Health and Hospitals.

#### **OCD/DRU CDBG Disaster Recovery Hurricanes Gustav and Ike Lobdell Sewer Improvements, West Baton Rouge Parish, LA**

Mr. Toussant was responsible for the design of approximately 18,000 LF of gravity sewer, 13,000 LF of force main and 2 lift stations to serve the 155 residents of West Baton Rouge Parish. Tasks included design (using AutoCAD pipes program), cost estimating, compiling final plans and specifications, obtaining DOTD, DHH and Railroad crossing and encroachment permits, coordination with client and sub-contractor (surveyor), and participating in public meetings with residents.

#### **Relocation of Naquin Sewer Lift Station, Houma, LA**

Mr. Toussant was responsible for the preliminary investigation and preparation of design and construction documents for the relocation of the Naquin Sewer Lift Station located in Terrebonne Parish, LA. He was responsible for preparation of plan and profile drawings, sewer lift station site plans, and coordination of electrical and control design.

#### **Port of Lake Providence, Lake Providence, LA**

Mr. Toussant designed a gravity sanitary sewer collection system, lift station and force main to serve the Port of Lake Providence, including coordinating levee crossing with USACE requirements, railroad jack and bore requirements and connection to existing City sanitary sewer collection system.

#### **IHNC Hurricane Protection Project Development, New Orleans, LA**

Mr. Toussant prepared drainage, water distribution, sanitary sewer collection system, access road, railroad crossing and grading plans. He also assisted in the overall design of the IHNC jobsite facilities and prepared drawings for construction.

#### **Big Bend National Park, Big Bend, TX.**

Mr. Toussant developed design criteria for a new wastewater treatment facility for the Chisos Basin area of the Big Bend National Park. He fully developed five wastewater treatment alternatives: evaporation ponds, recirculating sand filter system, textile media recirculating filter system, constructed wetlands and an extended aeration system which included calculations for size and he prepared site plans depicting the environmental impact for each proposed treatment alternative. He also prepared initial cost and life cycle cost estimates for each alternative.

## **TEC Professional Services Questionnaire**

### **Apostle Islands National Lakeshore, Apostle Islands, WI**

Mr. Toussant developed an on-site water treatment system, including storage and a wastewater treatment system for a historic lighthouse located on Raspberry Island in the Apostle Islands National Lakeshore. During construction he coordinated with state and park service officials to meet state design criteria using alternative equipment due to the remoteness of the site location and to limit the amount of disturbance to the historically significant site.

### **City of Evans Wastewater Master Plan, Evans, CO**

Mr. Toussant assisted in the preparation of a Wastewater Master Plan Study for the City of Evans Colorado. Mr. Toussant collected, evaluated and maintained records of flow and treatment data from the existing wastewater treatment facilities within the service area, on behalf of the City of Evans to evaluate current capacities. Mr. Toussant also prepared population projections used to determine future treatment requirements.

### **Town of Gypsum Infrastructure Rehabilitation, Gypsum, CO**

Mr. Toussant prepared plans for sewer collection system rehabilitation and replacement sewer lines for the Town of Gypsum, Colorado. He was able to incorporate salvageable manholes and existing sewer mains into the design to save cost for the Town. He also prepared construction documents on behalf of the Town of Gypsum.

### **Two Rivers Wastewater Treatment Facility, Dotsero, CO**

Mr. Toussant assisted in the design and preparation of construction documents for a 150,000 gallon per day mechanical wastewater treatment facility for the Two Rivers Development in Dotsero, Colorado. He prepared the engineering design report, site plan application and surface water discharge application and permit for submittal to the Colorado Department of Health.

### **Gypsum Wastewater Treatment Facility, Gypsum, CO**

Mr. Toussant assisted in the design and preparation of construction documents for a one million gallon per day mechanical wastewater treatment facility for the Town of Gypsum, Colorado. He also prepared the engineering design report and the surface water discharge permit for submittal to the Colorado Department of Health.

### **Red Dog Mine – Wastewater Treatment Plant Evaluation, Kotzebue, Alaska**

Mr. Toussant prepared calculations and recommendations for the required improvements for two wastewater treatment facilities for the TECK Company in Kotzebue Alaska. Mr. Toussant reviewed historical sewer influent and effluent records to evaluate existing sewer capacities and he prepared recommendations for required improvements to the existing treatment plants to accommodate future mine expansions.

### **Petit Caillou Pump Station, Terrebonne Parish, LA**

Mr. Toussant was the project manager responsible for the preparation of the Hydrologic and Hydraulic Study for the Petite Caillou Drainage Basin in Terrebonne Parish. He was the lead design engineer for the final design for the 450 CFS pump station including the conveyance channel and all civil site related improvements.

### **Chacahoula Pump Station, Terrebonne Parish, LA**

Mr. Toussant was the project manager and lead design engineer for the preparation of the Chacahoula Pump Station in Terrebonne Parish. He was responsible for all civil and site design for the 1000 CFS pump station including the conveyance channel and all civil site related improvements.

## TEC Professional Services Questionnaire

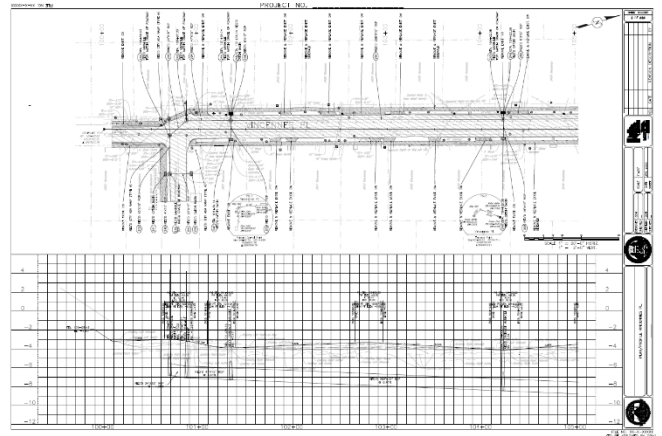
**L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

### PROJECT NO. 1

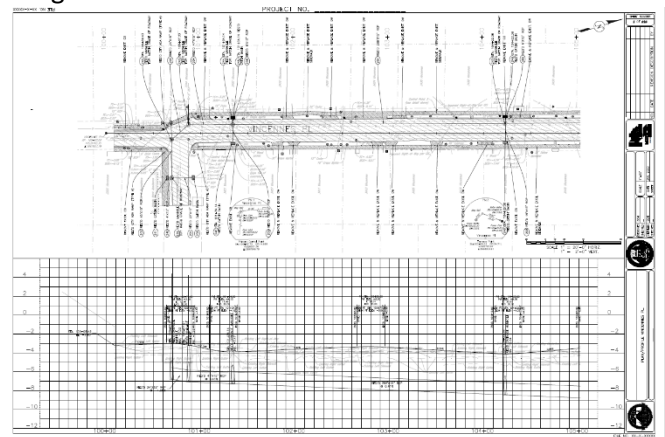
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<b>City of New Orleans: RR119 Marlyville-Fontainebleau Group D (FRC) (New Orleans, LA)</b> Point of Contact: Drew Walsh, PE 225-766-5358, dwalsh@gotech-inc.com	<b>Subcontractor</b>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2020</b>	<b>\$2.6 Mil.</b>	<b>8K</b>

#### Project description

La Terre Engineering LLC, (LTE) and specifically, Mr. Seneca Toussant, P.E. prepared preliminary plans for the Marlyville-Fontainebleau Group D project as part of the FEMA Recovery Program as a subconsultant to GOTECH, Inc. LTE developed typical sections, prepared plan and profile sheets and cross sections for the roadway reconstruction of Colapissa Street and Nelson Street which included replacement of damaged underground water, sewer and drainage lines, repaving the roadway, replacement of damaged sidewalks and driveway aprons, and installing ADA compliant curb ramps at intersections. Rehabilitation included resizing and replacement of existing storm drain pipes and demolition and replacement of existing drain inlets. Storm drain pipe sizes and inlet spacing were sized and placed in accordance with the DOTD Hydraulics Manual and using the DOTD Hydraulics Program.



LTE prepared preliminary plans in accordance with the, City of New Orleans Design Guidelines, LADOTD Hydraulics Manual, 2017 LADOTD Minimum Design Guidelines and 2016 DOTD Standard Specifications for Roads and Bridges.



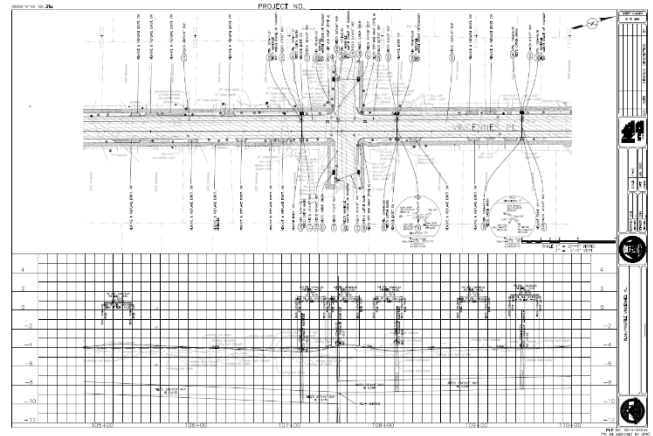
#### RELEVANCE TO PROJECT SCOPE

- Road Design Services
- Preliminary Plans
- Storm Sewer
- Sanitary Sewer

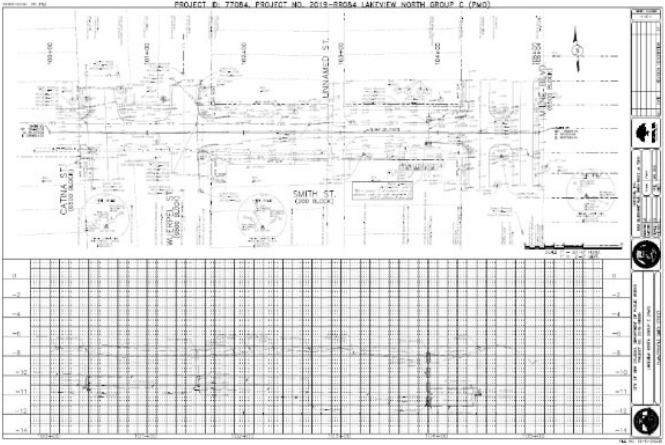
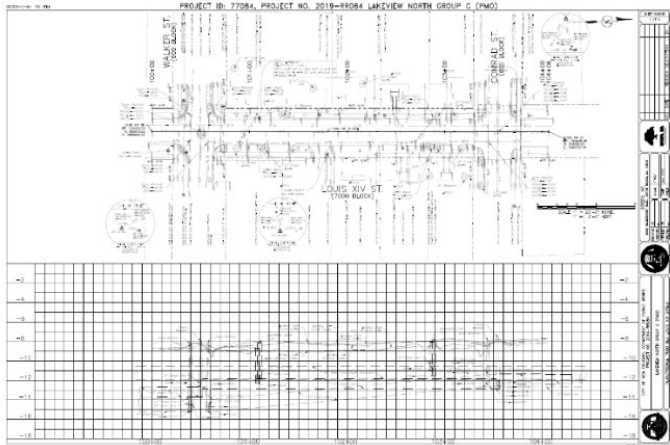
### PROJECT NO. 2

## TEC Professional Services Questionnaire



<b>Project Name, Location and Owner's contact information:</b> <b>City of New Orleans: RR119 Marlyville-Fontainebleau Group F (FRC) (New Orleans, LA)</b> Point of Contact: Drew Walsh, PE 225-766-5358, dwalsh@gotech-inc.com	<b>Nature of Firm's Responsibility:</b> <b>Subcontractor</b>	
<b>Completion Date (Actual or estimated):</b> <b>2020</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b> <b>\$2.8 Mil.</b>	<b>Work for which Firm was Responsible:</b> <b>8K</b>
<p><b>Project description:</b>          La Terre Engineering LLC, (LTE) and speciically, Mr. Seneca Toussant, P.E prepared preliminary plans for Marlyville-Fontainebleau Group F project as part of the FEMA Recovery Program as a subconsultant to GOTECH, Inc.. LTE developed typical sections, prepared plan and profile sheets and cross section sheets for the reconstruction of Colapissa Street and Nelson Street which included replacement of damaged underground water, sewer and drainage lines, repaving the roadway, replacement of damaged sidewalks and driveway aprons, and installing ADA compliant curb ramps at intersections. Rehabilitation included resizing and replacement of existing storm drain pipes and demolition and replacement of existing drain inlets. Storm drain pipe sizes and inlet spacing were sized and placed in accordance with the DOTD Hydraulics Manual and using the DOTD Hydraulics Program.</p> <p>LTE prepared preliminary plans in accordance with the, City of New Orleans Design Guidelines, LADOTD Hydraulics Manual, 2017 LADOTD Minimum Design Guidelines and 2016 DOTD Standard Specifications for Roads and Bridges.</p>		
<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <b>RELEVANCE TO PROJECT SCOPE</b> <ul style="list-style-type: none"> <li>Road Design Services</li> <li>Preliminary Plans</li> <li>Storm Sewer</li> <li>Sanitary Sewer</li> </ul> </div> <div style="border: 1px solid black; height: 150px; width: 100%;"></div>		




## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
<b>RR084 Lakeview North Group D (FRC), (New Orleans, LA)</b> Point of Contact: Drew Walsh, PE 225-766-5358, dwalsh@gotech-inc.com	<b>Subcontractor</b>	
<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<b>2020</b>	<b>\$8.3 Mil</b>	<b>7K</b>
<b>Project description:</b> La Terre Engineering LLC, (LTE) and speciically, Mr. Seneca Toussant, P.E prepared topographic drawings and maps, for Lakeview North Group D project which consist of Smith Street, Colbert Street, General Diaz Street, the 6700 and 7000 Blocks of Louis XIV Streets and Orleans Avenue as a subconsultant to GOTECH, Inc. LTE's services included the preparation of topographic drawings to show existing conditions, including stormwater piping, water, sanitary sewer and creating plan and profile drawings containing existing utility information.		
Existing Topographic drawings, plan and profile sheets and cross sections were prepared in accordance with City of New Orleans Cad Standards		
<div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> <b>RELEVANCE TO PROJECT SCOPE</b> <ul style="list-style-type: none"> <li>Road Design Services</li> <li>Preliminary Plans</li> <li>Storm Sewer</li> <li>Sanitary Sewer</li> </ul> </div>		
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## TEC Professional Services Questionnaire

<b>PROJECT NO. 4</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
<b>MOVEBR, City of Baton Rouge (Baton Rouge, LA)</b> Point of Contact: Travis Woodard, PE, (225) 769-0546, <a href="mailto:travis.woodard@csrsinc.com">travis.woodard@csrsinc.com</a>	<b>Subcontractor</b>	
<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
<b>2022 E</b>	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	<b>\$636.2 Mil</b>	<b>600K</b>
<p><b>Project description:</b>            La Terre Engineering LLC (LTE), is providing program management support to CSRS, Inc for the MoveBR program. LTE is managing specialty contracts which includes review of scopes and contract documents for environmental services, geotechnical services, surveying, lighting design and landscaping services.</p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 60%;"> <p>The MOVEBR Transportation and Infrastructure Improvements Program is the most significant transportation infrastructure investment in East Baton Rouge Parish history. The 1/2 cent sales tax proposition was approved by the voters of East Baton Rouge Parish on December 8, 2018. The tax became effective on April 1, 2019 and will continue for 30 years until March 31, 2049.</p> </div> <div style="width: 35%; text-align: center;">  </div> </div> <div style="display: flex; justify-content: space-between; align-items: center; margin-top: 20px;"> <div style="width: 30%; border: 1px solid black; padding: 5px;"> <p><b>RELEVANCE TO PROJECT SCOPE</b></p> <ul style="list-style-type: none"> <li><b>Project Initiation and Planning</b></li> <li><b>Program Management</b></li> </ul> </div> <div style="width: 65%; text-align: center;">  </div> </div>		

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility</b>	
<b>Ward Creek at Siegen Lane Channel Improvements</b> <b>City of Baton Rouge</b> Point of Contact: Kimberly Koehl, PE 225-644-55232, kimberly.koehl@gsaengineers.com	<b>Subcontractor</b>	
<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<b>2022 E</b>	<b>\$1.1 Mil</b>	<b>20K</b>
<b>Project description:</b> La Terre Engineering, LLC (LTE) is part of the team selected by East Baton Rouge Parish for the Ward Creek at Siegen Lane Channel Improvements Project. The project consists of the widening of Ward Creek to a bottom width of 100' and will include channel stabilization, outfall protection and utility modifications and coordination. The Scope of Services for the project includes topographic survey, ROW mapping, Subsurface Utility Engineering, Hydraulic and Hydrologic (H&H) Study and Analysis, Benefit Cost Analysis, permitting and preparation of construction documents.  LTE will assist in preparing the H&H study to determine the required channel typical section, preparation of construction documents and temporary traffic controls and coordination with DOTD.		
		
<div style="border: 1px solid black; padding: 10px; margin-top: 20px;"> <b>RELEVANCE TO PROJECT SCOPE</b> <ul style="list-style-type: none"> <li>Preliminary Plans</li> <li>Cost Analysis</li> </ul> </div>		

## TEC Professional Services Questionnaire

**M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.**

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A		
2.		
3.		
4.		

**N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.**

### THE LA TERRE DIFFERENCE

La Terre Engineering LLC. (LTE) is a full service, minority-owned civil engineering firm founded by Seneca Toussant, PE. Mr. Toussant is a Professional Civil Engineer with over twenty years of experience in a broad range of projects including port infrastructure design roadway design, , stormwater and drainage design, water treatment and distribution, and wastewater collection and treatment design.



LTE's professional services deliver excellent solutions to clients in the following markets: Environmental/Water, Transportation, Development Services and Facilities. These services are designed to provide opportunities for growth and success. Although LTE is a relatively new firm, LTE's founder and principal engineer has an extensive history on a wide range of projects throughout the state for various state agencies, municipalities and parish governments.

LTE is certified as a **Louisiana Unified Certification Program Disadvantaged Business Enterprise (DBE), State & Local Disadvantaged Business Enterprise (SLDBE)** and a **Louisiana Hudson Initiative (Small Entrepreneurship) Firm**. LTE can provide experienced professionals and additional staff as LTE grows with the aim to provide timely and well-coordinated work in a professional manner. LTE will provide innovative solutions to the challenges of this project utilizing knowledge of the most current design techniques.

### OUR CAPABILITIES

La Terre offers technical expertise in project management, construction management, roadway design, drainage design, water and wastewater design, and land development. Although, La Terre Engineering is relatively new, La Terre's founder and principal engineer has an extensive history on a wide range of projects throughout the state of Louisiana for various state agencies, municipalities and parish governments. La Terre has the experience and relationships to dedicate the necessary personnel to staff projects immediately, which will ultimately lead to completion within the proposed project schedules.

### CAPABILITY TO MEET SCHEDULES AND DEADLINES

Although LTE is only a year old, LTE has the capability to bring in additional qualified and committed professionals to provide the necessary support to ensure timely and successful completion of all tasks and projects we may receive.

## TEC Professional Services Questionnaire

- Civil Engineering
- Wastewater collection systems
- Water and wastewater master planning
- Construction Inspection
- Construction Management
- Educational and Civic Facilities
- Environmental Compliance
- Hydraulics and Hydrology
- Project Management
- Pump Station Design
- Emergency Response
- Roadway/Highway Design
- Stormwater and Flood Control
- Surface Water Management
- Sustainable Design
- Water Distribution and Treatment

### QUALIFICATIONS OF KEY PERSONNEL

**Mr. Seneca Toussant, PE** is highly regarded professional civil engineer with over twenty years of professional experience and a reputation for assisting his clients achieve success with even their most challenging projects. Mr. Toussant has a multitude of loyal and repeat clients that have been cultivated through his dedication to creative and exceptional service to his clients.

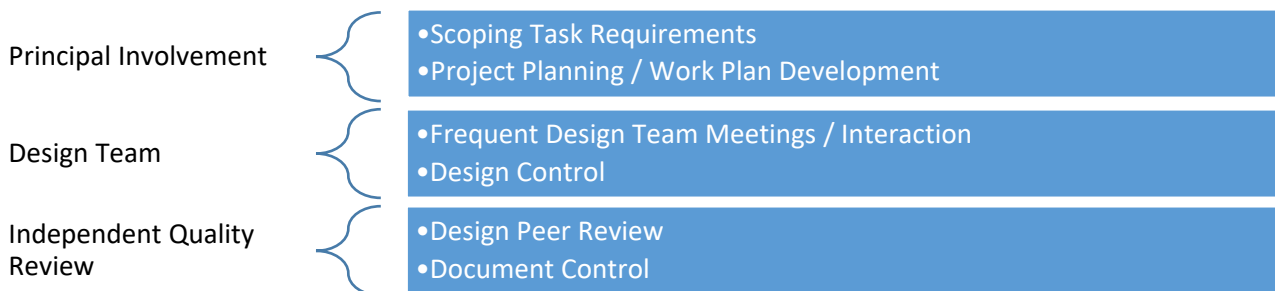
Mr. Toussant has over 20 years of design experience on a variety of utility design projects including water and wastewater engineering for city, local, state and private clients. His civil and sanitary projects including water and wastewater treatment plants, water transmission and distribution pipelines, sewage collection and outfall pipelines, pumping facilities, drainage facilities, master planning of water, wastewater, and drainage projects.

Mr. Toussant has been involved in projects from the initial planning stages, through design, to project coordination and construction inspection through final acceptance. He is currently registered as a professional civil engineer in four states.

### LTE APPROACH AND METHODOLOGY

LTE's approach to managing design projects is comprehensive and focused on creating the best workflow to accomplish the work. Our goal is reliable delivery of the scope within the agreed budget and within the specified schedule. We anchor our management plan on active, engaging, and productive communication between LTE, the Parish, project staff, and all project stakeholders.

LTE relies upon a proven methodology for managing task order driven and specific projects. The methodology is part of our policy and procedures. To ensure proper implementation and customer satisfaction, involvement of our firm's principals is a key element. The following bullets highlight our proposed standard process for performing the required services.



## TEC Professional Services Questionnaire

### QUALITY CONTROL

QC processes work best when they are simple to apply and designed to meet the end goal: an accurate deliverable that fully meets the project objectives. LTE has a quality program that is scalable to meet the needs of a project based on its size, complexity, and the disciplines involved. The process involves development of a Project Execution Plan (PEP), routine peer reviews, and formal quality reviews. The PEP communicates the scope of work (SOW), budget, schedule, applicable standards, and the quality control methods to be rigorously applied throughout the project duration.

At LTE, quality control is built into the schedule, not as an item to occur at the end of the project if there is budget remaining. It follows right behind each work task to catch minor problems before they magnify. Good quality control reduces rework and simplifies budget and schedule control. A quality control check sheet follows every set of plans, calculations, report, or relevant deliverable document to ensure that the required reviews have been successfully performed.



### ABILITY AND CAPACITY TO PERFORM SERVICES

LTE has exceeded client expectations on current and previous projects as demonstrated in the examples provided. LTE's founder and principal engineer has a 20 year history of performance with repeat clients which is the foundation upon which LTE was started.

### LOCATION OF FIRM

LTE's office is located downtown Baton Rouge and is less than an hour from Parish offices and facilities.

### CURRENT WORKLOAD

LTE has not been selected through the Quality Based Selection Process as a PRIME Consultant with the City of Baton Rouge/East Baton Rouge Parish. LTE assures that we have the resources and the technical expertise to implement this project timely and successfully.

### CONCLUSION

LTE appreciates the opportunity to submit this proposal. LTE is new to the local engineering community. However, our founder and principal has over 20 years of civil engineering experience in the required areas of expertise and LTE looks forward to growing and establishing a record of performance to become an integral team member of the Parish engineering community.

**O. To the best of my knowledge, the foregoing is an accurate statement of facts.**

Signature:  Print Name: Seneca Toussant, PE

Title: Principal Date: 1/28/21